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| Substitute for form 1449B/PTO<br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>Date Submitted: April 14, 2004<br>(use as many sheets as necessary) |   |    | <b>Complete if Known</b> |                        |             |
|  |   |    | Application Number       | Unassigned             |             |
|  |   |    | Filing Date              | 04/14/2004             |             |
|  |   |    | First Named Inventor     | Sunghoon KIM           |             |
|  |   |    | Group Art Unit           | Unassigned             |             |
|  |   |    | Examiner Name            | Unassigned             |             |
| Sheet  | 1 | of | 2                        | Attorney Docket Number | 058333-0118 |

| U.S. PATENT DOCUMENTS |                       |                      |                                   |   |  |   |
|-----------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
| Examiner Initials*    | Cite No. <sup>1</sup> | U.S. Patent Document |                                   | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
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| FOREIGN PATENT DOCUMENTS |                       |                         |                     |                                   |  |  |   |                |
|--------------------------|-----------------------|-------------------------|---------------------|-----------------------------------|--|--|---|----------------|
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|                          |                       | Office <sup>3</sup>     | Number <sup>4</sup> | Kind Code <sup>5</sup> (if known) |  |  |   |                |
| LDL                      | A1                    | WO                      | 00/73801            | A2                                | LUDWIG INSTITUTE FOR CANCER RESEARCH             | 12-07-2000                                       |   |                |

| NON PATENT LITERATURE DOCUMENTS |                       |  |  |                |
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| LDL                             | A2                    | QUEVILLON, S. et al. "The p43 Component of the Mammalian Multi-synthetase Complex Is Likely to be the Precursor of the Endothelial Monocyte-activating Polypeptide II Cytokine", J.Biol.Chem. (1997), Vol. 272, No. 51, pp. 32573-32579, The American Society for Biochemistry and Molecular Biology, Inc.   |  |                |
|                                 | A3                    | BEHRENSDORF, H. et al. "The endothelial monocyte-activating polypeptide II (EMAP II) is a substrate for caspase-7" FEBS Lett., (2000), Vol. 466, pp. 143-147, Federation of European Biochemical Societies.  |  |                |
|                                 | A4                    | KAO, J. et al. "A Peptide Derived from the Amino Terminus of Endothelial-Monocyte-activating Polypeptide II Modulates Mononuclear and Polymorphonuclear Leukocyte Functions, Defines an Apparently Novel Cellular Interaction Site, and Induces an Acute Inflammatory Response", J. Biol. Chem. (1994), Vol. 269, No. 13, pp. 9774-9782, The American Society for Biochemistry and Molecular Biology, Inc. |  |                |
|                                 | A5                    | KAO, J. et al. "Endothelial Monocyte-activating Polypeptide II: A Novel Tumor-Derived Polypeptide That Activates Host-Response Mechanisms", J. Biol. Chem. (1992), Vol. 267, No. 28, pp. 20239-20247, The American Society for Biochemistry and Molecular Biology, Inc.  |  |                |
|                                 | A6                    | KAO, J. et al. "Characterization of a Novel Tumor-derived Cytokine: Endothelial-Monocyte Activating", J. Biol. Chem. (1994), Vol. 269, No. 40, pp. 25106-25119, The American Society for Biochemistry and Molecular Biology, Inc.  |  |                |
|                                 | A7                    | KNIES, U.E. et al., "Regulation of endothelial monocyte-activating polypeptide II release by apoptosis", Proc. Natl. Acad. Sci. USA (1998), Vol. 95, pp. 12322-12337.  |  |                |
|                                 | A8                    | SCHWARZ, M.A. et al., "Endothelial-Monocyte Activating Polypeptide II, A Novel Antitumor Cytokine that Suppresses Primary and Metastatic Tumor Growth and Induces Apoptosis in Growing Endothelial Cells", J. Exp. Med. (1999) Vol. 190, No. 3, pp. 341-352, The Rockefeller University Press.   |  |                |
|                                 | A9                    | TAS, M.P.R. and MURRAY, J.C., "Endothelial-Monocyte-Activating Polypeptide II", Int. J. Biochem. Cell. Biol. (1996), Vol. 28, No. 8, pp. 837-841, 1996 Elsevier Science Ltd.   |  |                |

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| WAL                             | A10                   | SCHLUESENER, H.J. et al., "Localization of Endothelial-Monocyte-Activating Polypeptide II (EMAP II), a Novel Proinflammatory Cytokine, to Lesions of Experimental Autoimmune Encephalomyelitis, Neuritis, and Uveitis", GLIA (1997), Vol. 20, pp. 365-372, Wiley-Liss, Inc. |                |
|                                 | A11                   | BERGER, A.C. et al., "Endothelial Monocyte-Activating Polypeptide II, a Tumor-Derived Cytokine That Plays an Important Role in Inflammation, Apoptosis, and Angiogenesis", J. Immunother. (2000), Vol. 23, No. 5, pp. 519-527, Lippincott, Williams and Wilkins, Inc.       |                |
|                                 | A12                   | KO, Y.G. et al., "A Cofactor of tRNA Synthetase, p43, Is Secreted to Up-regulate Proinflammatory Genes", J. Biol. Chem. (2001), Vol. 276, No. 25, pp. 23028-23033, The American Society for Biochemistry and Molecular Biology, Inc.  |                |
|                                 | A13                   | PARK, S.G. et al., "Precursor of Pro-apoptotic Cytokine Modulates Aminoacylation Activity of tRNA Synthetase", J. Biol. Chem. (1999), Vol. 274, No. 24, pp.16673-16676, The American Society for Biochemistry and Molecular Biology, Inc.                                   |                |

|                    |   |                 |         |
|--------------------|---|-----------------|---------|
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